

CERTIFICATE

Issued to:
Applicant:
TCI Telecomunicazioni Italia Srl
Via Parma 14
21047 Saronno (VA), Italy

Licensee:
TCI Telecomunicazioni Italia Srl
Via Parma 14
21047 Saronno (VA), Italy

Product : Electronic controlgear for LED modules
Trade name(s) : TCI or TN101
Type(s)/model(s) : SVM (series)

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 61347-1:2015, EN 62384:2006 and EN 62384:2006/A1:2009
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2033015

DEKRA hereby grants the right to use the ENEC certification mark.

The ENEC certification mark may be applied to the product as specified in this certificate for the duration of the ENEC certification agreement and under the conditions of the ENEC certification agreement.

This certificate is issued on 8 July 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-104900

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



Kreny Lin
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Electronic controlgear for LED modules
Trade name(s)	: TCI or TN101
Type(s)/model(s)	: DC MAXI JOLLY SVM 65 DALI SLIM, DC MAXI JOLLY SVM 65 DALI SLIM OF, DC MAXI JOLLY SVM 65 SLIM, DC MAXI JOLLY SVM 65 SLIM OF, DC MAXI JOLLY SVM 80 DALI SLIM, DC MAXI JOLLY SVM 80 DALI SLIM OF, DC MAXI JOLLY SVM 80 SLIM, DC MAXI JOLLY SVM 80 SLIM OF, MP 65/1400 SVM SLIM, MP 65/1400 SVM SLIM OF, MP 70/1400 SVM SLIM, MP 70/1400 SVM SLIM OF, MP 80/1400 SVM SLIM and MP 80/1400 SVM SLIM OF
Type of load	: LED modules, power LED
Nature of supply	: alternate current, direct current
Rated frequency	: 50/60 Hz, 0 Hz
Type of thermal protection	: 110
Classification	: Built in, integral for OF models

Product data – type DC MAXI JOLLY SVM 65 DALI SLIM, DC MAXI JOLLY SVM 65 DALI SLIM OF, DC MAXI JOLLY SVM 65 SLIM, DC MAXI JOLLY SVM 65 SLIM OF, MP 65/1400 SVM SLIM and MP 65/1400 SVM SLIM OF

Primary voltage	: 110-277 V a.c., 196-250 V d.c.
Primary current	: 0,32-0,62 A for a.c., 0,45 A for d.c.
Power factor	: 0,95 for Pout>7,5/32,5/42,5 W
Working voltage U-OUT	: 60 V
Rated maximum temperature (tc)	: 75 °C, 80 °C for OF models

Product data – type DC MAXI JOLLY SVM 80 DALI SLIM, DC MAXI JOLLY SVM 80 DALI SLIM OF, DC MAXI JOLLY SVM 80 SLIM, DC MAXI JOLLY SVM 80 SLIM OF, MP 80/1400 SVM SLIM and MP 80/1400 SVM SLIM OF

Primary voltage	: 220-240 V a.c., 196-250 V d.c.
Primary current	: Max. 0,42 A for a.c., 0,5 A for d.c.
Power factor	: 0,98 for Pout>36 W
Working voltage U-OUT	: 60 V
Rated maximum temperature (tc)	: 75 °C, 80 °C for OF models

Product data – type MP 70/1400 SVM SLIM and MP 70/1400 SVM SLIM OF

Primary voltage	: 220-240 V a.c., 196-250 V d.c.
Primary current	: Max. 0,48 A for a.c., 0,5 A for d.c.
Power factor	: 0,98 for Pout>35 W
Working voltage U-OUT	: 59 V
Rated maximum temperature (tc)	: 80 °C

TESTS**Test requirements**

EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
EN 61347-1:2015
EN 62384:2006
EN 62384:2006/A1:2009

Test result

The test results are laid down in DEKRA test file 350033600.

Additional information

For specific Model/Type electrical rating refer to following pages.

DEKRA test report No. 2102683.50 and 2102683.60 are laid down in DEKRA test file 350033600; they contain test results and critical component list.

Conclusion

The examination proved that all requirements were met.

Factory location

TCI Telecomunicazioni Italia Srl
Via Parma 14
21047 Saronno (VA), Italy

General product information: The devices are intended to supply high power Light Emitting Diodes or LED modules. The devices have a constant output current, depending on the selection of the DIP switch (S1/S50) as in the markings and in the catalogue. The stabilized output (SEC) is dimmable by 1-10 V control devices or PUSH L or DALI protocol. The output power can be up to Pout max with proportionate values of Iin. The MP models are not dimmable. All models have SELV output for built-in use; OF are open frame versions (integral).											
Types	Primary voltage (50-60 Hz) (V) [1]	Max. primary current (A)	Power Factor	Operative d.c. range (0 Hz) [2]	Output Power (W) [3]	Output Parameter (mA) [3]	Uout (V)	ta (°C)	tc (°C) [4]	Thermal Protection [5]	
DC MAXI JOLLY SVM 80 DALI SLIM (K2C55)	220-240	0,42	0,95 (Pout> 36 W)	176-275 V 0,5 A	7-78	350-1400	60	-25..55	75	110 °C	
DC MAXI JOLLY SVM 80 SLIM (K2C57)											
MP 80/1400 SVM SLIM (K2C59)											
DC MAXI JOLLY SVM 80 DALI SLIM OF (K2C56)								-	80	-	
DC MAXI JOLLY SVM 80 SLIM OF (K2C58)											
MP 80/1400 SVM SLIM OF (K2C60)											
DC MAXI JOLLY SVM 65 DALI SLIM (K2C61)	110-277	0,32-0,62	0,95 (Pout> 7,5/32,5/ 42,5 W) [3]	176-275 V 0,45 A	7-45/65	350-1400	60	-25..55	75	110 °C	
DC MAXI JOLLY SVM 65 SLIM (K2C63)											
MP 65/1400 SVM SLIM (K2C65)											
DC MAXI JOLLY SVM 65 DALI SLIM OF (K2C62)								-	80	-	
DC MAXI JOLLY SVM 65 SLIM OF (K2C64)											
MP 65/1400 SVM SLIM OF (K2C66)											
MP 70/1400 SVM SLIM (K2C67)	220-240	0,48	0,98 (Pout> 35 W)	176-275 V 0,5 A	7-70	350-1400	59	-25..50	80	110 °C	
MP 70/1400 SVM SLIM OF (K2C68)								-	80	-	

Notes: [1] – Rated value for AC range; [2] – 176-275 V is the operative d.c. range at which the product can work; they can be used for centralized emergency installations (EN 50171 and EN 50172) in the rated 196-250 V. [3] – Different values according to DIP switch selection (see marking). [4] – tc for OF version is measured on the cap of C14/C27 capacitor. [5] – The products have an overheating protection (C.5.a) and comply with temperature limit of clause 4.16.2 of IEC 60598-1:03 (“F” triangle marking), IEC 60598-1:2014/AMD1:2017.

Connections						
Input supply	PRI	screwless terminal block 0,2-1,5 mm ²				
Input for dimming (if present)	PUSH L, DA	screwless terminal block 0,2-1,5 mm ²				
Input for thermal protection (if present)	NTC, S. GND	screwless terminal block 0,2-0,5 mm ²				
Input for dimming or control (if present)	1-10V	screwless terminal block 0,2-0,5 mm ²				
Output load	SEC	screwless terminal block 0,2-1,5 mm ² for MP SVM SLIM models, screwless terminal block 0,2-0,5 mm ² for other models				
Additional information						
All models have the following features: AC/DC P/S for LED; stabilized output current (CC); multiple value load; short-circuit proof type; impulse withstand category II; pollution degree 2; material group IIIa. The creepage distances, clearances and connections of control gears in the final application shall be according to IEC 60598-1 or national deviations of the country where installed in the final application:						
INSULATION: B= basic, S= supplementary, D= double or reinforced	PRI	PUSH L	DA	NTC, S.GND	1-10V	SEC
PRI	-	B	B	D	D	D
PUSH L	B	-	B	D	D	D
DA	B	B	-	S	S	S
NTC, S.GND	D	D	S	-	-	-
1-10V	D	D	S	-	-	-
SEC	D	D	S	-	-	-
Between active parts and the enclosure	B					